

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

BARKER BRETELL  
138 Hagley Road  
Edgbaston  
Birmingham B16 9PW  
ROYAUME-UNI

Date of mailing (day/month/year) 24 janvier 2002 (24.01.02)	
Applicant's or agent's file reference DAW705	IMPORTANT NOTIFICATION
International application No. PCT/GB01/02293	International filing date (day/month/year) 23 mai 2001 (23.05.01)

## 1. The following indications appeared on record concerning:

the applicant     the inventor     the agent     the common representative

Name and Address CRANFIELD UNIVERSITY Crānfield Bedfordshire MK43 0AL United Kingdom	State of Nationality GB	State of Residence GB
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person     the name     the address     the nationality     the residence

Name and Address TDK CORPORATION 1-13-1, Nihonbashi Chuo-ku Tokyo 103-8272 Japan	State of Nationality JP	State of Residence JP
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

the receiving Office  
 the International Searching Authority  
 the International Preliminary Examining Authority

the designated Offices concerned  
 the elected Offices concerned  
 other:

The International Bureau of WIPO 34, ch min des C lombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Sean Taylor Telephone No.: (41-22) 338.83.38
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## PATENT COOPERATION TREATY

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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.: (41-22) 740.14.35	Authorized officer  Sean Taylor  Telephone No.: (41-22) 338.83.38
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**PATENT COOPERATION TREATY**  
**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  DAW705	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.  PCT/GB 01/ 02293	International filing date ( <i>day/month/year</i> )  23/05/2001	(Earliest) Priority Date ( <i>day/month/year</i> )  24/05/2000
Applicant  CRANFIELD UNIVERSITY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

- the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  **Certain claims were found unsearchable** (See Box I).

3.  **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

1,2

None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 01/02293

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	H03H3/02	H03H9/58

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 0 880 227 A (NOKIA MOBILE PHONES LTD) 25 November 1998 (1998-11-25)</p> <p>page 2, line 30 -page 3, line 7 page 5, line 1-33 page 10, line 21 -page 11, line 32</p> <p>-----</p>	1-4, 6, 9, 10, 12, 14-16
A	<p>US 5 939 957 A (IWATA TATSUO) 17 August 1999 (1999-08-17) column 2, line 66 -column 3, line 7; figure 4</p> <p>-----</p>	4

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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17 August 2001

23/08/2001

Name and mailing address of the ISA	Authorized officer
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Coppieters, C

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB 01/02293

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0880227	A 25-11-1998	US JP	5910756 A 11088111 A	08-06-1999 30-03-1999
US 5939957	A 17-08-1999	JP	10093386 A	10-04-1998